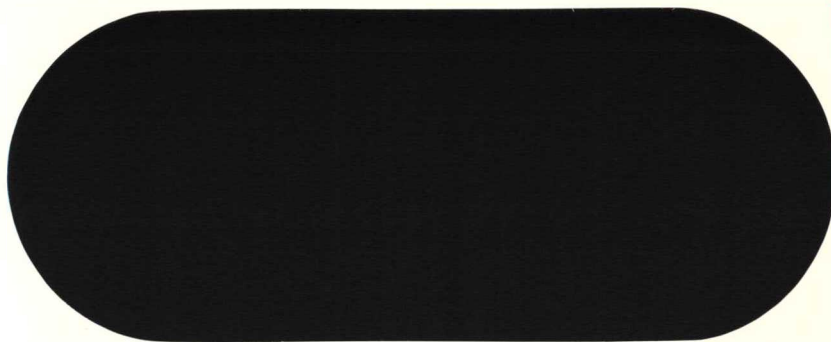




Port of Seattle Submittal WA2917
for RFA 6-26-92 11/5/90
79

Converse Consultants NW

Geotechnical Engineering
and Applied Earth Sciences



FILE COPY

USEPA RCRA



3012567



18 West Mercer
Suite 300
Seattle, Washington 98119
(206) 285-5200 TEL
(206) 285-6231 FAX

RCRA PERMIT
ADMINISTRATIVE RECORD
NO. 10000000000000000000
TOTAL NUMBER OF PAGES

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WA 2917
SITE INVESTIGATION AND REMEDIAL CLEANUP ACTION

Bunker "C" Fuel Oil Line Break

Pacific Northern Oil Pier 91

Seattle, Washington.

11/5/1990

Prepared for:

Pacific Northern Oil

Converse Project No. 90-35237-01

November 5, 1990





November 5, 1990

18 West Mercer
Suite 300
Seattle, Washington 98119
(206) 285-5200 TEL
(206) 285-6231 FAX
90-35237-01

Pacific Northern Oil
100 West Harrison Plaza
Seattle, Washington 98119

Attention: Mr. George Markwood

Subject: **SITE INVESTIGATION AND REMEDIAL CLEANUP ACTION**
Bunker "C" Fuel Oil Line Break
Pacific Northern Oil Pier 91
Seattle, Washington.

Enclosed is our report on the cleanup and remediation of the recent Pier 91 bunker "C" fuel oil line break. Approximately 80 yards of petroleum-contaminated soil resulting from the line break was removed and transported to Woodworth & Company in Tacoma for use in hot-asphalt batch mix. Total depth of the excavation was 6.5 feet below ground surface. Groundwater was not encountered. Confirmation soil samples obtained from the side walls and bottom of the excavation indicated total petroleum hydrocarbon (TPH) concentrations below current and proposed Washington State Department of Ecology 200 parts per million (ppm) cleanup standard. Subsurface soil samples from below the excavation bottom also indicated TPH levels below 200 parts per million.

An isolated portion of bunker "C" fuel-contaminated soil could not be excavated without undermining the structural integrity of a concrete vault. Soil samples collected beneath and on all sides of the contaminated soil (approximately 1.5 cubic yards) were less than Ecology's 200 ppm cleanup standard. It is our opinion that the environmental risk from this parcel of soil is minimal and that the site meets the criteria for clean closure.

We have enjoyed performing this work for you. If you have any questions, please feel free to give us a call.

CONVERSE CONSULTANTS NW

Richard A. Larson
Geologist

Erick W. Miller
Project Hydrogeologist



INTRODUCTION

This report presents field observations and results of remedial cleanup actions performed at the recent Pier 91 bunker "C" fuel oil line break. On August 26, 1990, Pacific Northern Oil (PNO) discovered a rupture in a bunker "C" transfer line located near the center of Pier 91 (Figures 1 and 2). The rupture occurred immediately south of the chill facility (Figure 2). The fuel line is buried approximately 3 feet below grade. Upon discovery, the line was closed, the pipeline excavated and the ruptured pipe was replaced. Petroleum-contaminated soils excavated during the line repair were stockpiled on-site.

On August 29, 1990, after notifying Washington State Department of Ecology (Ecology), PNO contacted and authorized Converse Consultants NW (Converse) to perform the cleanup and remediation of petroleum-contaminated soils resulting from the ruptured transfer line.

REMEDIAL CLEANUP ACTIONS

Soil Excavation

Approximately 80 cubic yards of petroleum-contaminated soil were excavated and stockpiled near the excavation. The stockpiled soil was placed on and covered with plastic sheeting. On September 6, 1990, Converse visited the excavation and made recommendations based on field screening for additional excavation of areas exhibiting signs of petroleum contamination.

A concrete valve vault, which houses control valves for the pipelines, is located in the middle of the excavation (Figure 3). A small amount of contaminated soil below the valve box (about 1.5 cubic yards) could not be removed due to the potential for structural damage to the valve box and transfer line.

Confirmation Sampling

Confirmation soil samples were obtained from the excavation side walls, bottom, and contaminated soil stockpiles on September 17, 1990. Confirmation sampling consisted of 12 samples collected from within the excavation pit and 5 samples from the stockpiled soils. Sampling locations are presented in Figure 3. Samples obtained from within the excavation were acquired with a hand spatula. All sampling equipment was decontaminated between each sample utilizing a Liquinox wash, a potable water rinse, methanol rinse and finally a distilled water rinse. Individual samples were placed in laboratory-decontaminated jars for delivery to the analytical laboratory. Samples were hand-delivered to Alden Laboratories in Seattle following EPA chain-of-custody protocol. Samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 418.1.

Petroleum-Contaminated Soils Treatment and Disposal

On September 17-20, 1990, Converse personnel observed the loading and transporting of contaminated soils. Final petroleum-contaminated soil volume was estimated to be 80 cubic yards. The soils were loaded and transported to the Woodworth & Company asphalt plant in Tacoma. Decontamination and disposal of the soil was attained by heat processing through their asphalt plant and producing a hot mix asphalt. Soil disposal manifest and weight vouchers are presented in Appendix B.

In order to remediate the 1.5 cubic yards of petroleum-contaminated soil remaining under the valve vault box, approximately 25 pounds of microbe bacteria were dispersed around the contaminated soil supporting the vault box. The microbes were obtained from Solmar Corporation and were formulated for the bioremediation of hydrocarbon contaminants. Sufficient nitrogen and phosphorous fertilizers were added to the biomass. A 2-inch-diameter slotted PVC pipe was installed near the vault box to allow nutrient enrichment of the bacteria over time.

SUBSURFACE CONDITIONS

Soil types exposed in the excavation consisted of silty sand with gravel (fill) extending from the surface to 4 feet below grade and fine to coarse sand (reworked beach deposits) from 4 to 6 feet below grade. A dense silty clay layer was present immediately beneath the reworked beach deposits. Complete soil descriptions are presented in the trench excavation log (Figure 4).

ANALYTICAL RESULTS

Analytical results are summarized in Table 1. Laboratory analytical results and chain-of-custody documentation are presented in Appendix A.

Samples G-1 through G-5

Composite samples were collected from the excavated soil stockpiles. Analysis indicated total petroleum hydrocarbon (TPH) concentrations ranging from 2,400 to 60,000 parts per million (ppm) (Table 1).

Samples G-6 through G-9, G-12, G-13, G-14, G-15

Grab samples were collected from the excavation side walls and bottom at eight locations. Total petroleum hydrocarbon concentrations ranged from 8.7 to 82 ppm, below the current Ecology cleanup standard of 200 ppm (Table 1).

Samples G-10, G-11, G-16, G-17

Hand auger samples were obtained below the excavation base. Sample depths ranged from 2 to 4 feet below the excavation bottom. Sample G-11 was taken from 2 feet directly below the valve vault. The TPH concentration obtained from this sample was considered suspect. The hand auger passed through approximately 2 feet of contaminated soils under the vault, prior to reaching the sampling depth. Subsequently, the area beneath the vault was resampled by drilling two pilot holes approximately 2 feet deep through the contaminated soil. Once the pilot holes were completed, an undisturbed soil sample was

obtained by driving a small diameter sampler with a lexan sample tube insert. TPH concentrations in these samples (G-16 and G-17) were 30 ppm and 8.3 ppm, respectively.

CONCLUSIONS

Soils with TPH concentration over the Model Toxics Control Act 200 ppm cleanup guidelines were excavated from the pipeline area. An isolated 1.5-cubic-yard parcel of soil could not be removed without undermining the structural integrity of the vault box. In assessing the potential risk to the environment for the 1.5 cubic yards of soil beneath the vault box, Converse used the 95 percent confidence limit of the arithmetic mean calculation as referenced in the Draft Model Toxic Cleanup Standards (July, 1990, Section WAC 173-340-740). Total petroleum hydrocarbon analyses concentrations obtained from the excavation confirmation sampling program were used to calculate the 95 percent upper confidence limit. The calculation is presented below.

$$UL_{95\%} = X + t_{95\%} \left(\frac{S}{\sqrt{N}} \right)$$

where: X = mean
 S = standard deviation
 $t_{95\%} = 1.645$
 N = number of data
 $UL_{95\%} = 95$ percent upper confidence of mean

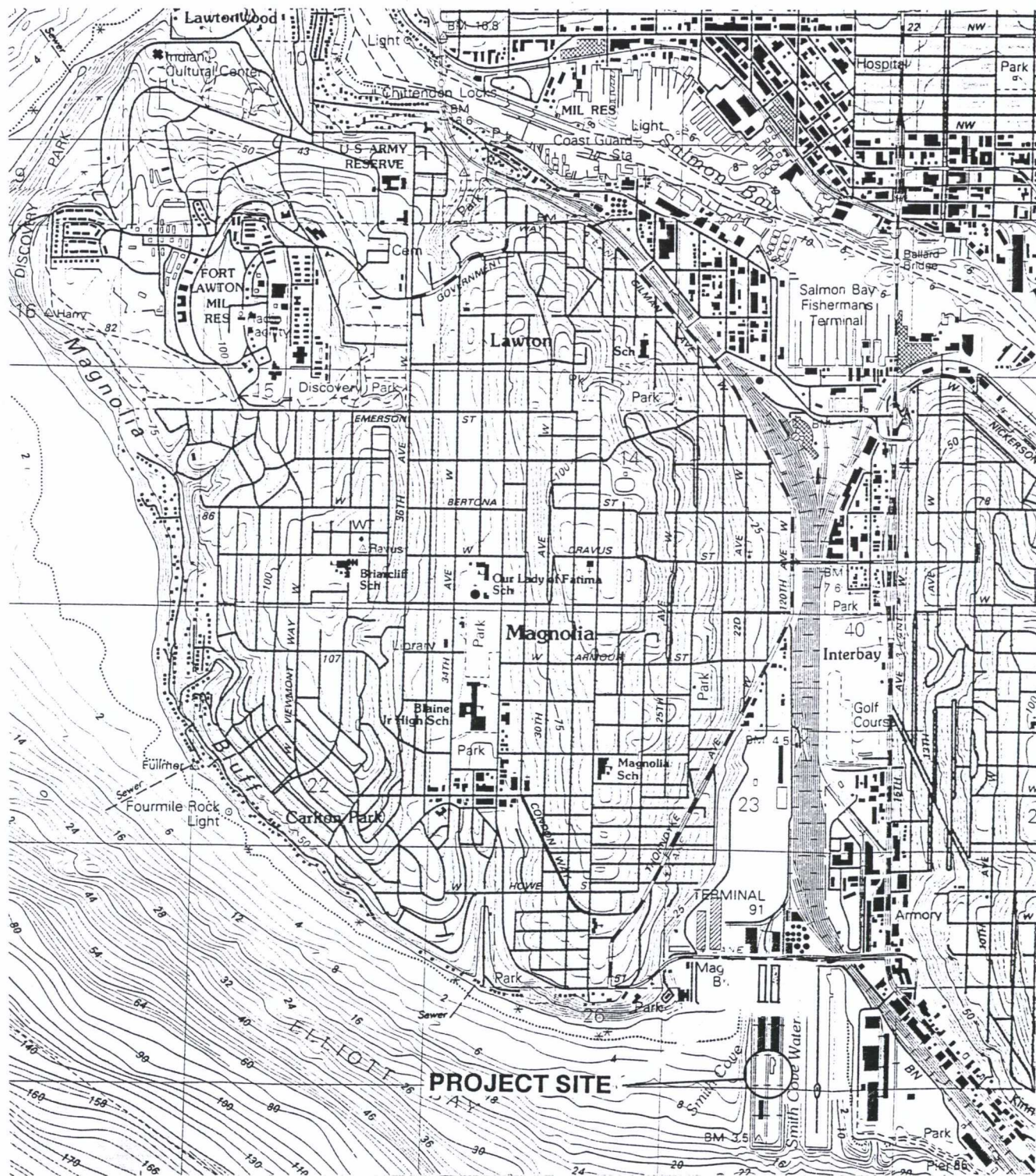
$$UL_{95\%} = 75.34 + 1.645 \left(\frac{126.67}{\sqrt{10}} \right)$$

$$UL_{95\%} = 141 \text{ ppm}$$

The 95 percent upper confidence calculation of 141 ppm is below the Department of Ecology cleanup guidelines of 200 ppm TPH for soil. Based on this analysis, it is our opinion that this site meets the requirements for clean closure.

TABLE 1
ANALYTICAL RESULTS - SOILS
Pier 91 Bunker "C" Fuel Oil Line Break

<u>Sample Number</u>	<u>Sample Location</u>	<u>Total Petroleum Hydrocarbons mg/kg (ppm)</u>
G-1	Stock Pile #1	38000
G-2	Stock Pile #1	60000
G-3	Stock Pile #2	2500
G-4	Stock Pile #2	2600
G-5	Stock Pile #2	2400
G-6	Sidewall	9.3
G-7	Bottom	82
G-8	Sidewall	41
G-9	Bottom	37
G-10	-2.5 Below Bottom	120
G-11	-2 Below Bottom	420
G-12	Sidewall	12
G-13	Sidewall	9.4
G-14	Sidewall	14
G-15	Sidewall	8.7
G-16	-2 Below Bottom	30
G-17	-4 Below Bottom	8.3
Cleanup Goals for Deisel under Model Toxic Control Act (July, 1990)		200



PROJECT LOCATION MAP

BUNKER C OIL LINE BREAK - TERMINAL 91
 Seattle, Washington
 for Pacific Northern Oil Company

Project No.
 90-35237

Figure No.

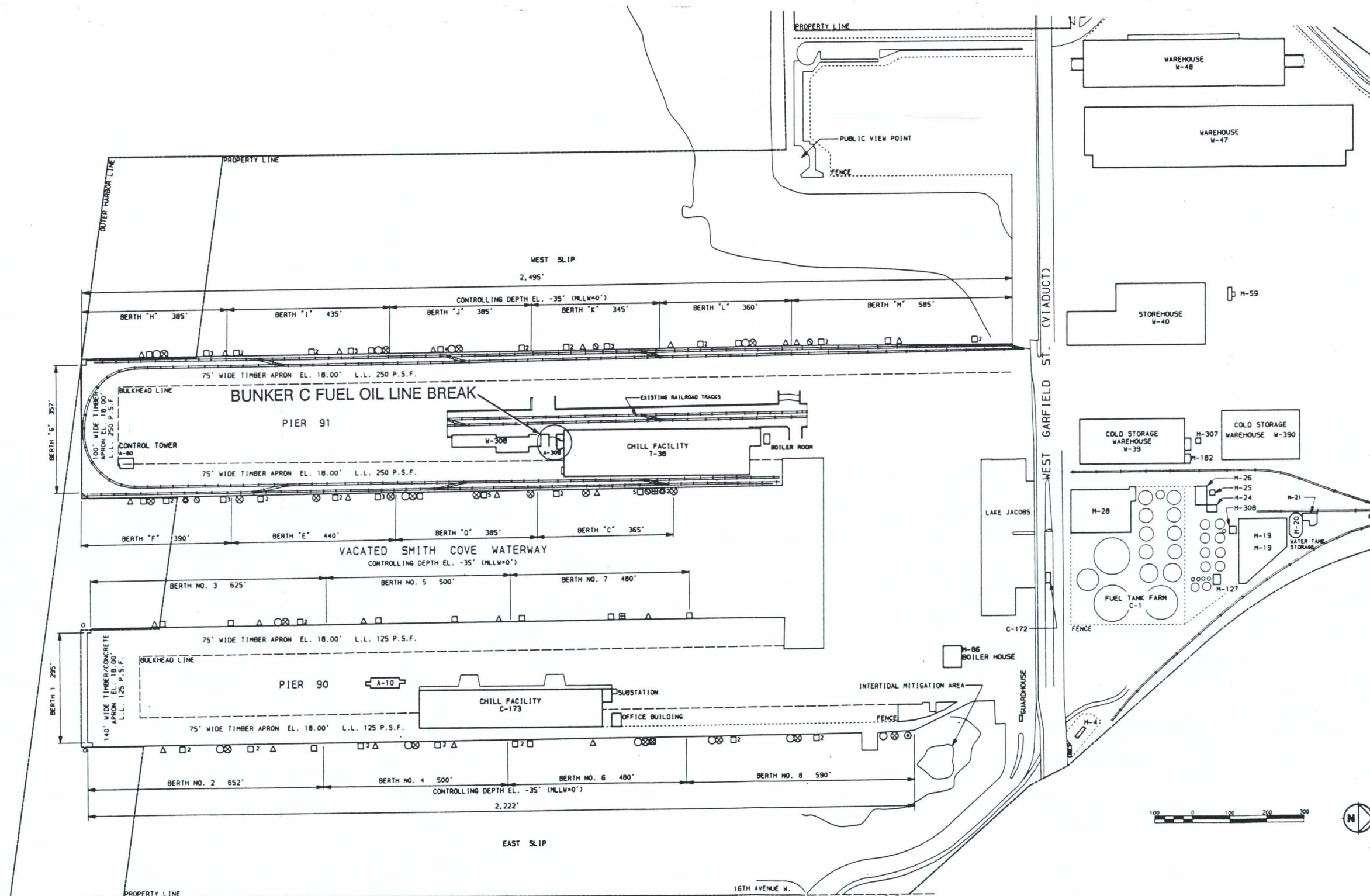


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1

ELLIOTT BAY



SITE LAYOUT

BUNKER C OIL LINE BREAK - TERMINAL 91
Seattle, Washington
for Pacific Northern Oil Company

Project No.
90-35237

Figure No.



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Excavation Limit

CHILL FACILITY

● G-15

Typical Sampling Point

Existing Pipes

G-13

● G-9

● G-10

● G-17

● G-11

● G-16

● G-7

● G-12

TRENCH EXCAVATION T-1
(Valve Box)

● G-6

Soil Stockpile #1

● G-1

● G-1

● G-2

● G-2

● G-5

● G-5

Soil Stockpile #2

● G-4

● G-4

● G-3

● G-3



SCHEMATIC ONLY
Not to Scale

EXCAVATION AND SITE SAMPLING PLAN

BUNKER C OIL LINE BREAK - TERMINAL 91

Seattle, Washington

for Pacific Northern Oil Company

Project No.

90-35237

Figure No.

3



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LOG OF TRENCH EXCAVATION NO. T-1

Surface Conditions: **Asphalt surface**

Elevation (Approx.):

Depth, ft	Elev., ft	Samples	Moisture Content, %	Other tests	Graphic Symbol	This log is part of the report prepared by Converse Consultants NW for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this trench at the time of excavation. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.
						DESCRIPTION
1						SILTY SAND WITH GRAVEL (Fill); gray-brown, fine to medium, gravel to 2" diameter; slightly moist, loose
2						
3						
4						SAND (Reworked Beach Deposits); light-dark brown, fine to coarse, trace silt, thinly bedded in areas, abundant shell fragments; slightly moist, loose to medium dense
5						
6						SILTY CLAY (Glacial Deposits); gray-green, very fine to fine, massive, slightly plastic; slightly moist, medium soft to firm
						Bottom of trench excavation at depth 6.5 feet

BUNKER C OIL LINE BREAK - TERMINAL 91

Seattle, Washington

for Pacific Northern Oil Company

Project No.

90-35237



Converse Consultants NW

Geotechnical Engineering
and Applied Earth Sciences

Figure No.

4



Alden Analytical
Laboratories, Inc.

SEP 25

September 21, 1990

Converse GES
Attn: Rich Larson
18 West Mercer
Seattle, WA 98119

IN RE: ALDEN PROJECT # 9009017/1

Dear Rich:

I have enclosed the analytical results for the soil samples submitted to Alden Labs September 17, 1990. The samples were analyzed for TPH using Method 418.1.

It is Alden's policy to dispose of all samples and extracts two weeks from report date unless notified otherwise. If you have any questions please feel free to call me.

Sincerely,

John M. Buerger
Laboratory Manager



Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Converse GES
Client Sample Number: See below
Date of Sample Receipt: 9/18/90
Date of Sample Extraction: 9/19/90
Date of Sample Analysis: 9/20/90

Alden Job Number: 9009017/1
Alden Sample Number: See below
Analysis Method: 418.1
Matrix: Soil
Reporting Units: mg/kg

<u>Client Sample ID</u>	<u>Alden Sample Number</u>	<u>Total Petroleum Hydrocarbons</u>
G-1	5041	38000
G-2	5042	60000
G-3	5043	2500
G-4	5044	2600
G-5	5045	2400
G-6	5046	9.3
G-7	5047	82
G-8	5048	41
G-9	5049	37
G-10	5050	120
G-11	5051	420
G-12	5052	12
G-13	5053	9.4
G-14	5054	14
G-15	5055	8.7

Note: Results are reported to two significant figures.



Alden Analytical
Laboratories, Inc.

REPORT OF ANALYTICAL RESULTS

Client: Converse GES

Client Sample Number: See below

Date of Sample Receipt: 9/24/90

Date of Sample Extraction: 9/25/90

Date of Sample Analysis: 9/26/90

Alden Job Number: 9009025/1

Alden Sample Number: See below

Analysis Method: 418.1

Matrix: Soil

Reporting Units: mg/kg

<u>Client Sample ID</u>	<u>Alden Sample Number</u>	<u>Total Petroleum Hydrocarbons</u>
GS-16	5086	30
GS-17	5087	8.3

Note: Results are reported to two significant figures.



Rich Larson

285-5200

CHAIN OF CUSTODY RECORD

[illegible]



CHAIN OF CUSTODY RECORD

Project No. 1035237-01			Project Name PNO			<div style="display: flex; justify-content: space-between;"> <div> Number of Containers 418.1 </div> <div> Any questions - Call Rich Larson 285-5200 Remarks </div> </div>													
Samplers: (signature) <i>Denis Blackwell</i>																			
Station No.	Date	Time	Comp.	Grab	Station Location														
G-1	9/18/90	14:30		X	Excavation	1	X											38,000	mg/kg
G-2				X		1	X											60,000	
G-3				X		1	X											2500	
G-4				X		1	X											2600	
G-5				X		1	X											2400	
G-6				X		1	X											9.3	
G-7				X		1	X											82	
G-8				X		1	X											41	
G-9				X		1	X											37	
G-10				X		1	X											120	
G-11				X		1	X											420 ppm	
G-12				X		1	X											12	
G-13				X		1	X											9.4	
G-14				X		1	X											14	
G-15				X		1	X											8.7	
Relinquished by: (signature) <i>Denis Blackwell</i>			Date/Time 9/18/90 15:36		Received by: (signature) <i>John Sch</i>			Relinquished by: (signature)			Date/Time 		Received by: (signature)						
Relinquished by: (signature)			Date/Time 		Received by: (signature)			Relinquished by: (signature)			Date/Time 		Received by: (signature)						
Relinquished by Courier: (signature)			Date/Time 		Received by Mobile Lab: (signature)			Relinquished by Mobile Lab: (signature)			Date/Time 		Received by Courier: (signature)						
Method of Shipment					Shipped by: (signature)			Courier from Airport:			Received for Laboratory:			Date/Time					



GENERAL CONTRACTORS

WOODWORTH & COMPANY, INC.1200 East D Street / Tacoma, Washington 98421
(206) 383-3585 FAX (206) 572-8648
"EQUAL OPPORTUNITY EMPLOYER"**TESTED MATERIALS ACCEPTANCE AGREEMENT**

DELIVERY SITE: (circle one)

2. 102 Norport Way, Tacoma, WA

MATERIALS OWNER: PACIFIC NORTHERN OILADDRESS OF LOCATION FROM WHICH MATERIALS WERE ORIGINALLY REMOVED: PIER 91 SEATTLE WASHINGTONADDRESS OF LOCATION FROM WHICH MATERIALS WERE MOST RECENTLY REMOVED: PIER 91 SEATTLE WASHINGTONTELEPHONE OF OWNER: 206 -- 282-4421

CONTRACTORS' LICENSE NUMBER OR OTHER BUSINESS LICENSE NUMBER: _____

TYPE OF MATERIAL TO BE ACCEPTED: PETROLEUM CONTAMINATED SOIL, SAND & GRAVEL.

TRANSPORTER:

NAME: A.L. SLEISTER & SONS CONST. CO.ADDRESS: 12303 CYRUS WAY
LYNNWOOD, WA. 98037TELEPHONE: 742-4944CONTRACTOR'S LICENSE NO. OR BUSINESS NO. ALSLESC199DB

In consideration for acceptance of certain specified tested materials by Woodworth & Company, Inc., we hereby represent and agree as follows:

1. The material to be accepted pursuant to this agreement has been tested by a certified testing company, the results of which testing are set forth in the document attached to this agreement.

2. No one has added to or altered this material since the testing referred to in Paragraph 1 was conducted.

3. To our knowledge, the test results reflected in the attached document from a certified testing company are accurate.

4. To our knowledge, nothing has been done, either before or after the testing referred to in Paragraph 1 that would in any way affect the accuracy of the test results.

5. The tested materials contain no materials that are liquid, putrescible, or that are or could be considered toxic or hazardous.

6. We agree to defend, indemnify and hold Woodworth & Company, Inc., harmless from and against any and all claims, demands, causes of action, damages, liabilities, losses, expenses, penalties, and all costs of defense relative thereto, caused by or resulting from any breach of this agreement by either signatory below.

7. We agree to defend, indemnify and hold Woodworth & Company, Inc., harmless from and against any and all claims, demands, causes of action, damages, liabilities, losses, expenses, penalties, and all costs of defense relative thereto, caused by or resulting from any release or threatened release of any substance or material accepted pursuant to this agreement, including but not limited to any substance or material that could be considered an environmental contaminant. This agreement to defend, indemnify, and hold harmless is to apply to claims brought by any party based upon any state or federal statutory or common law, including but not limited to any claims brought under the Comprehensive Environmental Response, Compensation and Liability Act, the Resource Conservation and Recovery Act, the Toxic Substances Control Act, the Model Toxic Control Act of Washington, the Washington Solid Waste Management Act, the Washington Hazardous Waste Disposal Act, and the Washington Hazardous Waste Regulation Act, and shall include, but not be limited to claims for investigation, litigation, administration, oversight and personnel costs, all costs arising out of or related to the cleanup, storage, treatment, handling, disposal, or transportation, or presence of or threatened release or discharge of any contaminants at, to, from, beneath, or near the property, and any property damage or damages for personal injury related thereto.

8. Title to the materials that are the subject of this agreement shall be deemed to be vested in Woodworth & Company, Inc., immediately upon acceptance of such materials by Woodworth & Company, Inc., from the Materials Owner or Transporter. Neither Materials Owner nor the Transporter shall have any right to recovery or any credit for the potential value of any substances contained in such materials.

9. The material that is the subject of this agreement is properly classified, described, packaged, marked, labeled, and is in proper condition for transportation according to the applicable regulations of the United States Department of Transportation, United States Environmental Protection Agency, Washington Utilities & Transportation Commission, Washington Department of Ecology, and any other applicable federal, state or local agency.

Date: 9/18/90

Signature: _____

Printed Name: _____

Title: _____

MATERIALS OWNER:

George MarkwoodGEORGE MARKWOODMANAGER

I personally guarantee the performance of this agreement by the above disclosed corporation (materials owner) in consideration of the consent to allow the corporation to accept at the above-referenced site.

Date: _____

Signature: _____

Printed Name: _____

Position/Office: _____

STEVE SORNS

Date: _____

Signature: _____

Printed Name: _____

Title: _____

Dan Reynolds

I personally guarantee the performance of this agreement by the above disclosed transporter corporation in consideration of the consent to allow the corporation to accept at the above-referenced site.

Date: _____

Signature: _____

Printed Name: _____

Position/Office: _____



Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421

Telephone (206) 383-3585

TICKET NO. 3111



LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

napa



CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED

* Steve Storms

CUSTOMER:

PURCHASE ORDER:

x Converse Consultants

JOB
LOAD

JOB
TONS

4

77.60

TOTAL

DAILY

4 ✓

77.60

DATE 09/24/90	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
TIME 01:45 PM	LV		3456		77555		06910
MIXTURE			GROSS	TARE	NET WT. TONS	PRICE	TOTAL
CONTAM WASTE-965			73300	32400	20.45		

SPECIAL INSTRUCTIONS

Pier 91-SEA

TAX % @ 0%
PAY THIS AMOUNT

CUBIC
YDS

REMARKS

x Cathy

SCALE OPERATOR



Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (206) 383-3585

TICKET NO. 3099



LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

napa



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RECEIVED * *Dan Reynolds*

CUSTOMER:

PURCHASE ORDER:

x Converse Consultants

JOB
LOAD

JOB
TONS

TOTAL

3

57.15

DAILY

✓

12.15

DATE	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
09/24/90	LV		2456		77565		09/24/90
TIME 01:16 PM							
MIXTURE			GROSS	TARE	NET WT. TONS	PRICE	TOTAL
CONTAM WASTE-965			76020	32080	21.97		

SPECIAL INSTRUCTIONS

Pier 91-SEA

TAX % @ 0%
PAY THIS AMOUNT

CUBIC
YDS

REMARKS

x Cathy

SCALE OPERATOR



Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (206) 383-3585

TICKET NO. 3056



LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

napa



CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED

*Dan Reynolds

CUSTOMER:

PURCHASE ORDER:

x Converse Consultants

JOB
LOAD

JOB
TONS

35.18

TOTAL

DAILY

2

2 ✓

~~10.65~~

~~11.55~~

DATE

09/24/90

PLANT

SILO #

JOB

PLANT

TRUCK

SEQUENCE

REFERENCE

TIME

10:17 AM

LV

3456

77565

56910

MIXTURE

CONTAM WASTE-965

GROSS

TARE

NET WT. TONS

PRICE

TOTAL

~~3456~~
69220

32680

~~18.02~~
18.52

SPECIAL INSTRUCTIONS

37140

TAX %

@

0%

PAY THIS AMOUNT

Pier 91-Seattle

CUBIC
YDS

PIT B160

REMARKS

x Cathy

SCALE OPERATOR



Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421

Telephone (206) 383-3585

TICKET NO. 3051



LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

napa



CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED **Steve Storms*

CUSTOMER:

PURCHASE ORDER:

x Converse Consultant

JOB
LOAD

1

JOB
TONS

16.61

TOTAL

DAILY

1

DATE	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
<i>05/24/90</i>	<i>LV</i>		<i>3456</i>		<i>TS55</i>		<i>66910</i>
TIME							
<i>10:09 AM</i>							
MIXTURE	GROSS		TARE	NET WT. TONS		PRICE	TOTAL
<i>CONTAM WASTE-965</i>	<i>32400</i>		<i>32400</i>	<i>0.00</i>			
	<i>65620</i>			<i>16.61</i>			

SPECIAL INSTRUCTIONS

33220

TAX % @ 0%
PAY THIS AMOUNT

Pier 91- Seattle

CUBIC
YDS

PIT B160

REMARKS

x Cathy

SCALE OPERATOR



Woodworth & Company, Inc.
GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (206) 383-3585

TICKET NO. 3167



LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

napa



CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED

* *Dan Reynolds*

CUSTOMER: 17585

PURCHASE ORDER:

CONVERSE CONSULT

JOB
LOAD

JOB
TONS

TOTAL

1

21.02

DAILY

DATE	09/25/90	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
TIME	09:13 AM	LV		9410		17585		17585
MIXTURE				GROSS	TARE	NET WT. TONS	PRICE	TOTAL
CONTAM WASTE-965				74120	32080	21.02		

SPECIAL INSTRUCTIONS

Pier 91-SEA

TAX % @ 0%
PAY THIS AMOUNT

CUBIC
YDS

REMARKS

PIT H160

x *Cathy*

SCALE OPERATOR



Woodworth & Company, Inc.

GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421

Telephone (206) 383-3585

TICKET NO. 3181

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

napa



CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED * Steve Storm

CUSTOMER: 17585

PURCHASE ORDER:

CONVERSE CONSULT

A-L. Skister

JOB
LOAD

JOB
TONS

2

40.85

TOTAL

DAILY

2

40.85

DATE 09/25/90	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
TIME 10:15 AM	LV		7456		77555		66110
MIXTURE			GROSS	TARE	NET WT. TONS	PRICE	TOTAL
CONTAM WASTE-965			72050	32400	19.83		

SPECIAL INSTRUCTIONS

Pier 91-SEA

TAX % 0%

PAY THIS AMOUNT

CUBIC
YDS

PIT B160

REMARKS

X

Cathy

SCALE OPERATOR



Woodworth & Company, Inc.
GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
Telephone (206) 383-3585

LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO

napa



TICKET NO. 3208



CAUTION: HOT ASPHALT WILL BURN YOU!

RECEIVED * *Dan Reynolds*

CUSTOMER: *17585*

PURCHASE ORDER:

CONVERSE CONSULT

JOB
LOAD
3

JOB
TONS
58.14

TOTAL

DAILY

3

58.14

DATE <i>03/25/00</i>	PLANT	SILO #	JOB	PLANT	TRUCK	SEQUENCE	REFERENCE
TIME <i>01:33 PM</i>	LV		3456		<i>11</i> <i>505</i>		<i>66410</i>
MIXTURE			GROSS	TARE	NET WT. TONS	PRICE	TOTAL
CONTAM WASTE-965			66660	32080	17.29		

SPECIAL INSTRUCTIONS

Pier 91-SEA

TAX % *0* 0%
PAY THIS AMOUNT

CUBIC
YDS

PIT B160

REMARKS

X *Cathy*

SCALE OPERATOR